Same structures:

3

Ni_n, Co_n n

triangle



4 tetrahedron, square



5 trigonal bipyramid



6 octahedron



capped octahedron 7

Transition region:

Con_ Nin n



bisdisphenoid



bicapped octahedron



9 tricapped trigonal prism



tricapped trigonal prism or tricapped octahedron

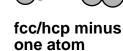


10 tricapped pentagonal bipyramid

Different structures:

Con Nin n

12 icosahedron minus one atom





13 icosahedron

14

15

16



fcc/hcp



bicapped hexagonal twinned antiprism



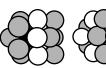
tetrahedron



bicapped icosahedron



centered hexagonal antiprism



tricapped icosahedron



 $\bm{C}_{2\nu}$



19 double icosahedron



hcp